

# Ultramat® Polymer Dosing

ProMinent®

## Continuous flow systems now with new controller

**Ultramat® ULFa** continuous flow systems are ideal for the preparation of **0.05 to 0.5 % polymer solution**. The continuous flow system can be used to process liquid and powder polymers and mixing is done in proportion to the dilution water to ensure that a consistent solution concentration is produced. The tank is subdivided into three chambers and largely prevents the freshly prepared polymer from mixing with the matured polymer, by cascading from chamber to chamber.

A new addition is the system controller with touch screen and integral process visualization. The speed of the power feeder or liquid concentrate pump used can be regulated in an energy-saving manner by means of the frequency inverter.



## Advantages

- Excellent operating convenience
- Integrated process visualisation
- Simple commissioning
- Minimal space requirement
- Precise compliance with solution concentration through proportional control

## Features & Benefits

- Intuitive operation
- Processing of liquid and powder polymers
- Compact control with monochrome touch screen with 4 tactile buttons and a 3.8" display
- Language switchover
- Optional: PROFIBUS interface
- Tank is sub-divided into three chambers
- Calibration of powder feeder and liquid concentrate pump

**ProMinent®**

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# Ultromat®

## ULFa Continuous Flow Systems

### Main applications

Production of stock solutions or process solutions of polymer for separation of solids and liquids:

- Drinking water treatment
- Waste water treatment
- Sludge dewatering
- Treatment of process and circulation water
- Paper manufacturing
- Chemical industry, power stations etc.

### Use of powder and liquid polymers:

Depending on the field of use and application, Ultromat® polymer preparation and dosing systems can be fitted with a dry material feeder and/or a liquid concentrate pump, thereby enabling the preparation of powder and/or liquid polymers depending on the application.

The systems can be selected by means on an identcode with the following features:

- Tank size, discharge volume
- Normal/mirrored design
- Electrical connection
- Control options
- Powder feeder
- Vibrator
- Hopper extension, Powder conveyor unit
- Liquid concentrate pump
- Liquid concentrate pump options
- Water pipework
- Mixer for 3<sup>rd</sup> chamber
- Operating language

### Technical Data:

	ULFa 400	ULFa 1000	ULFa 2000	ULFa 4000	ULFa 6000	ULFa 8000
<b>Tank content:</b>	400 l	1000 l	2000 l	4000 l	6000 l	8000 l
<b>Discharge rate:</b>	400 l/h	1000 l/h	2000 l/h	4000 l/h	6000 l/h	8000 l/h
<b>Maturing time:</b>	60 min	60 min	60 min	60 min	60 min	60 min
<b>Concentration:</b>	0.05-0.5 %	0.05-0.5 %	0.05-0.5 %	0.05-0.5 %	0.05-0.5 %	0.05-0.5 %

Technical changes reserved.